

Today's Topics:

are QSL cards really necessary for awards?
Butternut Vertical
Letter from the FCC: 20M Maritime Mobile Net
Need HV xfrm.HELP
Product Review : KAM
schematic needed
Vertical HF Antennas

Date: 8 Nov 89 18:40:42 GMT

From: shlump.nac.dec.com!ryn.esg.dec.com!pstjtt.enet.dec.com!taber@decuac.dec.com

Subject: are QSL cards really necessary for awards?

In article <10967@csl.Stanford.EDU>, kawai@csl.Stanford.EDU (Goh Kawai) writes...

>Say, for example, you tape-record all your contacts. Then, by
>listening to your tape-recordings, anybody can verify you have indeed
>worked the stations you have claimed to have worked. There would be
>no need for obtaining QSL cards.

If nobody ever pretended to be a station they weren't then that might be true. But there is no way to verify the station you hear on the tape is indeed the station it claims to be. The thought is that by contacting that station by mail and having the operator send a written confirmation, you can reasonably verify the contact. (There are scenarios where fraudulent contacts can still be perpetrated, but they start getting out toward the end of the bell curve. I think a QSL card gives greater than 95% confidence that the contact was genuine.)

In re some other message:

Making out your own QSL cards and trying to pass them off for awards seems to be in the gray area between ethical and unethical. Certainly if I found a lot of fill-in-the-blanks QSLs in the same handwriting, I would put the entire stack under extreme scrutiny. And maybe if I found even one or two from stations that I knew don't QSL "nohow, noway" it would be likely to turn ugly. In a hobby that communicates around the world, do you want your name associated with something that is not on the up-and-up?

>>>==>PStJTT
Patrick St. Joseph Teahan Taber

Mail address: ahhhhh, you don't want to send me mail....

Date: 8 Nov 89 15:59:42 GMT
From: ingr!b11!herbster@uunet.uu.net (Joe Herbster)
Subject: Butternut Vertical

In article <8911051924.AA11365@ucbvax.Berkeley.EDU>, BLACK@ROSEVC.Rose-Hulman.EDU writes:

> I have recently purchased a second-hand Butternut HF6V vertical
> antenna. The antenna is complete except for a section of 75-ohm
> matching line that was buried in the ground at the original installation.

I bought a brand-new HF6V a year ago. I couldn't find a place to run decent radials and then got a Cushcraft R4. I still have most of the pieces to the butternut. The coax I found in the box was a generic RG-59 hunk that was 62 inches long. If I can find the original instruction sheet in my vertical piling system I will verify whether it was to be trimmed down or not. Hope this helps.

de km4jn

Date: 8 Nov 89 19:29:37 GMT
From: vsi1!wyse!steve@ames.arc.nasa.gov (Steve Wilson xttemp dept303)
Subject: Letter from the FCC: 20M Maritime Mobile Net

John Armond Writes

>The FCC seems to have done this in the past and appears to be doing it
>again here. Ham radio axiom #1 - The more invisible we are to the
>Commission the better off we are.
>

>>I'm assuming no one thinks we should wish for more emergencies, but
>>how long, now, before someone concludes that the relaxation of normal
>>rules during emergency operation is no longer justified because all
>>organizations normally served during disasters, etc., should have
>>planned better for their own exigencies?

>
>I suspect that the obvious is being acknowledged. That the technology
>now exists for most organizations to handle their own emergency
>communications. Consider portable earth stations, for example. And
>that in the big picture, the ham contribution is pretty small and
>getting smaller as alternative communications resources become
>available.

>
>In other words, we'd better clean up our act, cooperate with the
>Commission whenever possible, and take a good hard look at our

>real contributions in time of emergencies.

>

>John

I've got a real problem with this point of view. I've just come off a week stint of providing emergency service to several agencies. The thing you guys keep forgetting is that a disaster by definition is when all of your normal capabilities in what ever capacity are BROKEN/EXCEEDED. Hams have in the past, and are currently providing the required communications capability when the normal circuits aren't enough, or circuit requirements come into being spontaneously.

Example 1. The city of Hollister's EOC/Comm facility wasn't usable for something like a week. Two different Com Vans built by hams with agency help(CDF and the city of Gilroy I believe) where used not to supplement, but to replace the lost capability. Amateur frequencys where used to keep the city in contact with state and county officials. There wasn't any other way to do this.

Example 2. Shelters were set up at various locations in the mountains that didn't really fit with the model of a shelter, i.e. structures to house people in. Several times it was more, Gee theres a flat space here where no trees are going to fall on us. There isn't any phone service to places like this at the front end of an earthquake. Hams were the first and only people capable of providing communications to these remote locations initially. Things like CelTel weren't reliable in those locations initially.

Example 3. The EOC in the City of Los Gatos was initially not deemed hapitable. They wound up setting up their operation outside. Phone service was extremely unreliable there for a couple days. Hams were used for Red cross comm, and city comm to the shelters that got established. Ham radio was also used to get to County Comm from there initially.

These are just a few of the instances I'm aware of locally. I'm sure that there are dozens of examples from the rest of the Bay area that I'm just not aware off. Our capability to handle the overload proved to be up to the task. As far as the county, cities, and red cross are concerned we earned our keep and then some.

As for giving into the FCC, it seems that they keep forgetting that they work for the public, and this type of operation is nothing but for the public good! If they would simply bust some jerks instead of making more things illegal when they aren't willing/capable to enforce the laws that are ALREADY on the books things would be

alot more civil.

Steve Wilson KA6S

Date: 8 Nov 89 16:29:59 GMT
From: ingr!b11!herbster@uunet.uu.net (Joe Herbster)
Subject: Need HV xfrm....HELP

Please Help,

I am in dire need of a transformer for a tube supply. I need to generate about 600vdc at 200ma. The transformer can be either a single winding at 450vac, or 850 center tapped. Anyone with one of these babies or having information on sources please respond. Any help at all wanted.

TNX de KM4JN

Date: Thu, 9 Nov 89 12:26:17 PST
From: mslee%KRSNUCOM.BITNET@CUNYVM.CUNY.EDU
Subject: Product Review : KAM

I recently buy KAM at T.ZONE (Akiabara, Japan).
And I tried to connect it to my AT clone PC.
But KAM didnt react my typings though all the connection is VY OK.
I check all Computer I/F part of KAM circuits and finally found some bad things.

RS-232C data (about +10 ~ -10V) from PC was guides by a resister and a capacitor, and a negative voltage (~ -10V) is pulled at the TXD pin. and the signal is entered to XOR gate (CMOS 4030, or 4070), another input of XOR gate is pulled up to ~ 10V.
This will normally work well, but my problem is :
negative voltage of KAM is made with +12V and the specific pull-down negative voltages are from op-amp(MC34074),
I found the negative supply voltage has VY MUCH ripples (10% or more.)
And this ripple makes interference to CMOS, so the output of CMOS XOR is the SQUARE WAVE. (I had thought KAM's 68B03 CPU intentionally make the square pulses for unique serial communication, hihi, but oscilloscope drew the same pulse width of the ripple.)

My solution of this problem is :

1. Cut all the OP-amp driven pull-up and pull down of 4030(4070).
2. +10V -> 5V (VDD line , pin 14 of 4070(4030)) with series of 10K Ohm
3. -10V -> GND (GND line , pin 7 of 4070)

Date: 9 Nov 89 03:41:32 GMT
From: quanta.eng.ohio-state.edu!phonon.eng.ohio-state.edu!rlong@tut.cis.ohio-state.edu (Prof. Ronald Long)
Subject: schematic needed

I need a schematic for a Mirage/KLM two meter amplifier Model 3016. I bought it used without the manual. I am having relay problems and also want to know how to hard key it.

If someone could copy the schematic page from the manual and send it to the address below I would be very grateful.

Ron Long W8GUS
1516 Essex Road
Columbus, OH 43221.

Thanks.

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Ronald K. Long, Ph.D.
Ohio State Univ EE Dept., 2015 Neil Ave., Columbus, OH 43210
rlong@phonon.eng.ohio-state.edu

Date: 8 Nov 89 22:37:35 GMT
From: fluke!frank@beaver.cs.washington.edu (Frank Tomlinson)
Subject: Vertical HF Antennas

I am considering a vertical antenna, the Cushcraft R5 No-Ground-Radial Vertical. I am interested in hearing from others using multiband vertical antennas. What is your opinion of there performance?

Is the R5 design different from other verticals in some significant way as to eliminate the need for ground radials?

How is the R4 different from the R5?

End of INFO-HAMS Digest V89 Issue #856
